

new weight.

# CLI to ASIC INDUSTRY CONVERSIONS

AUG 1966 --1970

Labour Force

Employed

EWSE

F/T, P/T

Unemployed

## LABOUR FORCE SURVEY - INDUSTRY DATA 1966 TO 1970

### A INTRODUCTION

CLI (Classified List of Industries) was used as the industrial classification for Labour Force Surveys from 1964 to August 1972. ASIC (Australian Standard Industrial Classification) was introduced in August 1971. Dual coding was used in the surveys of August and November, 1971 and February, May and August, 1972.

Prior to August 1966 Industry was classified by CLI, based on an industry description given by respondents.

A 'Place of Work Index', which covered employers included in the Group Employers Census (ie employers with sufficient employees to pay PAYE tax on a group basis), was used from August 1966 to code the employer's name. Respondents with employers not included in the Index were coded by their industry description.

The ASIC method makes use of the Integrated Register in the same way as the Place of Work Index was used. The main difference is that the Integrated Register is a more comprehensive list of employers than the Place of Work Index.

To eliminate a major break in the series, data based on the CLI classification was converted to the ASIC classification.

From August 1966 to August 1970 the method of coding CLI was similar to that used for ASIC. Consequently it was decided to convert data from 1966 to 1970.

To be consistent with the decision to revise only August estimates for the years 1966 to 1970 on 1976 benchmarks, industry conversions were restricted to each August from 1966 to 1970.

Three methods were used in the project. The first, I, was used to derive summary tables of Labour Force Status and Occupational Status by Sex and in some cases by Marital Status. This method made extensive use of computer resources and was very time consuming.

The second method, II, manually converted industry data for Employed Persons by Sex by Age. The third Method, III, manually recalculated the data obtained by Method I for 1969. The CLI data on 1976 Benchmarks used in the conversions was considered incorrect, and new CLI data was obtained. The second method was again used for the new 1969 data for Employed Persons.

Each of these methods are described below:

## B METHOD I

1 A merged tape of August 1971 and August 1972, with both CLI and ASIC coding was created.

A 12 x 342 matrix of conversion factors was derived using this merged tape. This matrix consisted of the 12 ASIC Divisions by the detailed 342 CLI Sub-groups. For each CLI Sub-group, the proportion of persons in each ASIC Division was calculated as the conversion factor.

Thus for the cell in the  $i^{\text{th}}$  row,  $j^{\text{th}}$  column,  $x_{ij}$ ,  $i = 1-342$ ,  $j = 1-12$ , the conversion factor was  $f_{ij} = x_{ij} / \sum_{j=1}^{12} x_{ij}$

2 The August Labour Force data tapes, revised for 1976 benchmarks, and the tape of matrix conversion factors were used as input to a CSD designed program. This program produced the following tables, by ASIC industry.

Persons in the labour force	}	by Males, Married females, and
Employed persons		Other females

Employed wage and salary earners	}	by Males and Females
Self employed and employers		
Unpaid family helpers		
Persons employed full-time		

All females, where applicable, and persons were derived by addition.

3. In some cases the conversion factor was zero. When this factor was applied to a non-zero cell in a particular classificatory variable breakdown in a particular year, the total of ASIC industries would be below the total of the CLI industries, and thus the published level. To overcome this problem, the difference was manually pro-rated through the ASIC industries.

## 4 Unpaid Family Helpers

Due to the very small estimates in this category the null cell problem was magnified, and along with other problems associated with small



estimates, such as their large standard errors, this category was not used. An aggregate - Employed Non Wage and Salary Earners was derived, by subtracting Employed Wage and Salary Earners from Total Employed. This category comprises Employers, Self-employed and Unpaid family helpers. Details on Employers and Self Employed were required by Labour Force Estimates Subsection for their publication of long term data.

5 Other classifications derived were

Persons employed part-time (=Total employed - Employed full-time)

Unemployed persons (=Labour force - Total employed)

## C METHOD II

1 Method I was considerably time consuming - both of computer time and human time.

A more detailed breakdown of Employed persons (by age and sex) was required. With more detail the problem of null cells would increase the inaccuracies of the above method, as it would increase the likelihood of null cells in the matrix of conversion factors. It was decided to use a manual method to calculate the tables required. This method is described below.

2 The merged tape of August 1971 and August 1972 was used to calculate conversion factors of the form:

$$f_{ij} = x_{ij}/y_{ij}$$

where  $f_{ij}$  is the factor in the  $i^{\text{th}}$  row,  $j^{\text{th}}$  column

$x_{ij}$  is the ASIC based value in the  $i^{\text{th}}$  row,  $j^{\text{th}}$  column

$y_{ij}$  is the CLI based value in the  $i^{\text{th}}$  row,  $j^{\text{th}}$  column

Where a zero cell was encountered, the factor was set to 1. This eliminated the null cell problem.

Factors were calculated for Males and Females, by 13 ASIC/CLI industry groupings and 8 age groups, as follows:



## INDUSTRY

The groupings used approximated the Division level of each classification:

Industry Groupings		CLI codes	ASIC codes
1	Agriculture and services to agriculture	020 - 060	000 - 029
2	Forestry, logging, fishing and hunting	000-019, 070-079	030 - 049
3	Mining	080 - 099	110 - 169
4	Manufacturing	100 - 479	210 - 345
5	Electricity, gas and water	480 - 499	360 - 379
6	Construction	500 - 519	410 - 423
7	Wholesale and retail trade	610 - 649	460 - 489
8	Transport and storage	520 - 569	510 - 559
9	Communication	570 - 579	560 - 599
10	Finance, insurance, real estate and business service	580 - 609	610 - 639
11	Publication administration and defence	650 - 679	710 - 729
12	Community services	680 - 749	810 - 849
13	Entertainment, recreation, restaurants, hotels and personal services	750 - 799	910 - 949

## AGE GROUPS

1	15 - 19 years
2	20 - 24 years
3	25 - 34 years
4	35 - 44 years
5	45 - 54 years
6	55 - 59 years
7	60 - 64 years
8	65 years and over

3 These factors were applied to the appropriate Sex by Age x Industry cell for each August from 1966 to 1970, based on 1976 Benchmarks.

Totals for each age group were checked against the actual totals, and any differences were pro-rated, but at the same time making sure the Industry totals agreed with these derived in the first method.

#### D 1969 - METHOD III

Estimates for 1966 to 1970 were revised for 1976 Census Benchmarks, and these 1976 based estimates were used in both of the above methods.

However, the revision to the 1969 estimates appeared to have been incorrect. The movement for males employed in agriculture and services to agriculture between 1968, 1969 and 1970 on the old basis became much larger on the new basis. This change could not be accounted for by the adjustments made to the August 1969 and 1970 tape (see A Sharp's paper, copy attached).

It was decided to adjust the 1969 tape so that the movements on the new basis (1976 Benchmarks) would be much the same as the movements on the old basis.

The adjustments were made to Employed Males - by Industry and Occupational Status breakdowns.

The net adjustment to the tape were:

#### Employed Males

Industry group	Occupational Status	
	Wage and Salary Earners	Non Wage and Salary Earners
Agriculture and Services to Ag	1.1311328	1.0836768
All other industries	0.9949487	0.9532061

This adjustment was made to the 1976 Benchmarks based weight, and the new weight was position in CP73-80, and the original weight remained in CP81-88.

The method used to derived the broad summary tables differed from Method I.

New factors were calculated for the Labour Force, Employed, Employed Wage and Salary Earners, and Employed Full-time - for Males only for each Industry Grouping in 8 above.

$$\text{Factor} = \frac{\text{ASIC old weight (as calculated in I)}}{\text{CLI old weight}}$$

The factor was applied to each appropriate CLI new weight cell to obtain the summary tables. The factors derived in Method II were applied to the CLI new weight data, to obtain the more detailed table.

## E SUMMARY

The major affect of the changeover from CLI to ASIC was to move people out of the Community Services, the Entertainment etc, and the Electricity, Gas and Water Divisions, into the Finance etc Division. This difference is due mainly to the different procedures used by CLI and ASIC:

i Classification procedure: Establishments were classified, under CLI, on the basis of the activity from which the establishment derived the largest part of its gross receipts.

The ASIC system uses a 'step-by-step' procedure, whereby an establishment is first classified to an ASIC division, on the basis of the activity from which it derives the largest part of its gross receipts. Within the division the establishment is then classified to a sub-division again on the basis of gross receipts. The procedure is repeated for groups and classes.

This difference in classification procedure can lead to significantly different industry classifications being obtained for different establishments. For instance, a firm which carries out a large number of manufacturing processes, each of which has a separate code at the finest level, also lets out vacant warehouse space; the gross receipts from the letting operation being greater than the gross receipts from any one of the manufacturing operations but less than the total of all the manufacturing operations. Under CLI the establishment will be classified to Group H 'Finance and Property', under ASIC to Division C "Manufacturing". The number of establishments affected by this difference between ASIC and CLI will depend upon factors such as the amount of diversification in establishments, and the gross receipts of firms from different sources.

ii 'Integration' of Establishments: The introduction to the CLI states 'If a single physical location comprises two or more branches which are engaged in distinct and separate activities for which different industry classifications are provided, then each branch is, if practicable, treated as a separate establishment'.



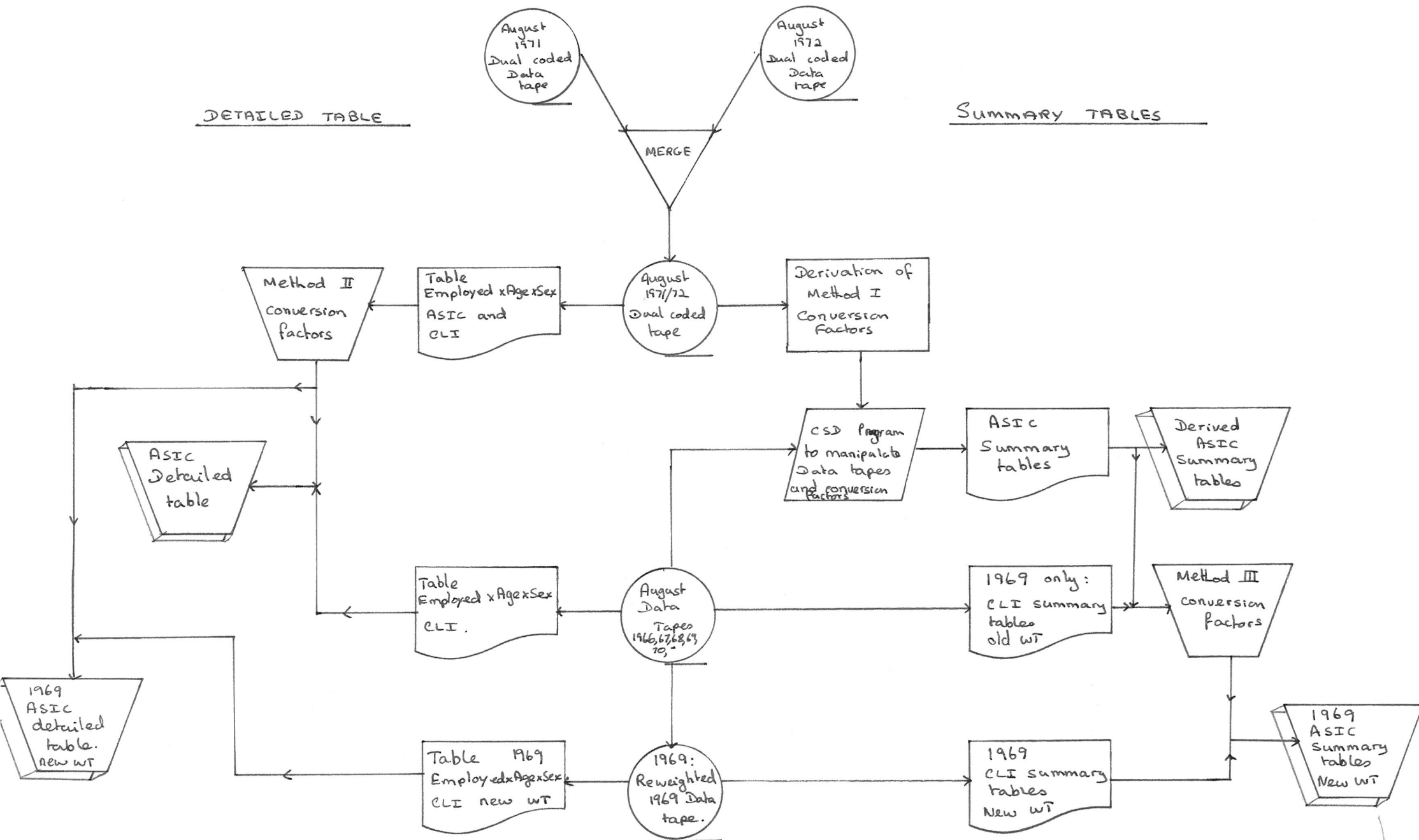
Contrary to this the ASIC incorporates all activities, which could be considered as 'vertically integrated' (ie contributing one to the other) and which were conducted at the one physical location, into one establishment.

The establishment is then classified according to the procedure outlined in (i) above. Thus workers employed in minor activities of vertically integrated establishments are coded differently under ASIC and CLI. The number of establishments affected will depend mainly upon the degree of vertical integration incorporated in establishments.

Susan Thearle

12/5/80.

### CLI TO ASIC CONVERSIONS : FLOW CHART



LABOUR FORCE SURVEY  
MALES IN THE LABOUR FORCE (a)

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ASIC Industry division or sub-division		AUGUST					
		1966	1967	1968	1969	1970	1971
,02	Agriculture and services to agriculture	351.2	354.1	355.4	336.3	340.8	322.6
,04	Forestry, logging, fishing and hunting	18.1	19.9	23.0	16.2	19.8	20.7
-16	Mining	56.6	60.0	70.1	64.9	77.9	82.0
-34	Manufacturing	934.4	956.9	949.6	973.2	986.2	1,011.2
[7]	Electricity, gas and water	89.4	94.9	100.6	97.1	97.1	94.2
,42	Construction	399.3	395.6	411.1	421.7	442.8	455.4
,48	Wholesale and retail trade	617.9	622.3	623.7	642.1	653.0	675.3
-55	Transport and storage	246.4	244.6	254.7	259.8	266.1	257.4
	Communication	83.0	82.8	85.4	85.9	89.3	88.2
-63	Finance, insurance, real estate and business services	173.3	173.3	183.3	202.3	218.6	226.0
,72	Public administration and defence	119.7	121.5	129.1	138.9	139.9	144.2
,84	Community services	199.7	207.5	212.6	214.0	231.0	241.5
	Entertainment, recreation, restaurants, hotels and personal services	115.5	119.1	115.3	121.2	121.9	137.7
	Private households employing staff	2.6	3.4	3.4	3.4	3.6	
	TOTAL	3404.6	3452.5	3514.0	3580.6	3684.4	3,756.5

) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force (6203.0).

*\* estimate published in Feb 79 issue of 6203.0*  
*The above estimates are not valid since*  
*"Persons who had not had a FT or PT*  
*job" have not been separated.*



LABOUR FORCE SURVEY  
MARRIED WOMEN IN THE LABOUR FORCE (a)

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ASIC Industry division or sub-division		AUGUST				
		1966	1967	1968	1969	1970
02	Agriculture and services to agriculture	48.2	49.6	52.9	52.0	64.1
04	Forestry, logging, fishing and hunting	-	0.1	0.6	0.5	0.9
16	Mining	0.8	1.5	1.2	1.5	1.8
34	Manufacturing	194.6	207.7	218.0	232.9	242.3
	Electricity, gas and water	2.1	2.1	2.4	2.5	2.6
42	Construction	9.0	8.1	10.1	14.8	16.6
48	Wholesale and retail trade	217.2	222.9	234.7	246.4	270.2
55	Transport and storage	12.7	11.6	15.7	18.4	20.4
	Communication	9.2	11.1	10.5	12.1	15.5
63	Finance, insurance, real estate and business services	43.3	50.6	54.6	69.4	76.5
72	Public administration and defence	13.9	13.5	18.2	21.8	24.6
84	Community services	128.5	141.0	154.5	168.9	190.6
	Entertainment, recreation, restaurants, hotels and personal services	102.9	122.6	123.7	121.0	131.7
	Private households employing staff	10.7	13.0	12.1	12.8	13.1
	TOTAL	782.5	842.6	897.0	962.3	1,057.7

For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force (6203.0).

LABOUR FORCE SURVEY

OTHER FEMALES IN THE LABOUR FORCE (a)

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ASIC Industry division or sub-division		AUGUST				
		1966	1967	1968	1969	1970
02	Agriculture and services to agriculture	16.1	11.0	11.2	14.0	13.5
04	Forestry, logging, fishing and hunting	-	-	0.1	0.2	0.4
-16	Mining	1.4	1.9	2.3	2.1	2.7
-34	Manufacturing	125.3	120.0	118.1	116.0	110.5
-37	Electricity, gas and water	5.6	5.5	5.4	4.6	4.3
42	Construction	4.9	5.7	5.7	4.6	4.8
-48	Wholesale and retail trade	176.1	176.1	185.6	166.9	181.8
-55	Transport and storage	14.4	13.5	12.6	14.9	15.5
	Communication	14.7	16.4	13.4	16.0	13.7
-63	Finance, insurance, real estate and business services	81.3	87.5	88.5	94.1	94.0
-72	Public administration and defence	34.0	35.9	34.7	37.0	39.8
-84	Community services	165.4	170.9	171.5	173.5	172.7
	Entertainment, recreation, restaurants, hotels and personal services	76.1	80.1	76.6	74.8	77.8
	Private households employing staff	17.9	17.0	15.3	15.4	14.2
	TOTAL	715.4	724.8	725.8	718.8	731.6

) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force (6203.0).

LABOUR FORCE SURVEY  
ALL FEMALES IN THE LABOUR FORCE (a)

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	ASIC Industry division or sub-division	AUGUST					1971
		1966	1967	1968	1969	1970	
02	Agriculture and services to agriculture	64.3	60.6	64.2	66.1	77.6	71.4
04	Forestry, logging, fishing and hunting	-	0.1	0.7	0.8	1.3	1.9
16	Mining	2.2	3.4	3.5	3.7	4.5	8.5
34	Manufacturing	320.0	327.7	336.1	348.9	352.8	375.8
37	Electricity, gas and water	7.7	7.6	7.8	7.1	6.9	8.2
42	Construction	13.9	13.8	15.7	19.4	21.4	25.0
48	Wholesale and retail trade	393.3	399.0	420.2	413.3	452.0	454.6
55	Transport and storage	27.1	25.1	28.3	33.3	35.9	39.3
	Communication	23.9	27.5	23.8	28.1	29.2	31.4
63	Finance, insurance, real estate and business services	124.6	138.1	143.1	163.5	170.5	173.7
72	Public administration and defence	48.0	49.4	52.9	58.8	64.4	67.3
84	Community services	293.9	311.9	326.0	342.4	363.2	382.5
	Entertainment, recreation, restaurants, hotels and personal services	179.0	202.7	200.3	195.8	209.6	212.3
	Private households employing staff	28.6	30.0	27.4	28.2	27.4	
	TOTAL	1,497.9	1,567.4	1,622.8	1,681.0	1,789.3	1,851.9

For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force (6203.0).

\* estimate published in Feb 79 issue of 6203.0



LABOUR FORCE SURVEY  
PERSONS IN THE LABOUR FORCE (a)  
( '000)

ASIC Industry division or sub-division		AUGUST					
		1966	1967	1968	1969	1970	1971
,02	Agriculture and services to agriculture	415.5	414.7	419.6	402.9	418.4	394.0
,04	Forestry, logging, fishing and hunting	18.1	20.0	23.7	16.9	21.1	22.6
-16	Mining	58.8	63.4	73.6	68.6	82.4	90.5
-34	Manufacturing	1254.4	1284.6	1285.6	1322.1	1339.0	1386.9
,77	Electricity, gas and water	97.1	102.5	108.4	104.3	104.0	102.4
,42	Construction	413.2	409.4	426.8	441.1	464.2	480.4
,48	Wholesale and retail trade	1011.2	1021.3	1043.9	1055.6	1105.0	1129.9
-55	Transport and storage	273.5	269.7	283.0	293.0	302.0	296.7
	Communication	107.0	110.3	109.3	113.9	118.4	119.6
-63	Finance, insurance, real estate and business services	297.9	311.4	326.4	312.3	389.1	399.7
,72	Public administration and defence	167.7	170.9	182.0	197.6	204.3	211.6
,84	Community services	493.6	519.4	538.6	556.4	594.3	624.0
	Entertainment, recreation, restaurants, hotels and personal services	294.5	321.8	315.6	317.0	331.6	350.0
	Private households employing staff	31.2	33.4	30.8	31.7	31.0	
	TOTAL	4902.5	5019.9	5136.7	5261.7	5473.8	5608.4

) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force (6203.0).

\* estimate published in Feb 79 issue of 6203.0.

LABOUR FORCE SURVEY  
EMPLOYED MALES (a)  
( '000)

ASIC 1969 industry division or Sub-division		AUGUST				
		1966	1967	1968	1969	1970
01,02	Agriculture and services to agriculture	348.1	349.9	352.9	333.3	337.7
03,04	Forestry, logging, fishing and hunting	17.5	19.5	22.8	15.8	19.5
11-16	Mining	55.8	59.6	69.4	63.9	77.2
21-34	Manufacturing	922.1	943.3	938.9	963.4	976.5
36,37	Electricity, gas and water	88.9	94.0	100.0	96.2	96.5
41,42	Construction	392.2	388.1	406.5	416.0	435.2
47,48	Wholesale and retail trade	611.9	615.8	617.5	637.5	646.7
51-55	Transport and storage	243.3	241.4	251.1	257.5	263.9
56	Communication	82.2	82.1	85.1	85.9	89.0
61-63	Finance, insurance, real estate and business services	172.3	171.7	181.3	207.3	216.5
71,72	Public administration and defence	118.9	120.9	128.0	138.3	139.4
81-84	Community services	198.3	206.5	211.9	213.0	229.7
91-94	Entertainment, recreation, restaurants, hotels and personal services	114.1	117.2	112.8	118.6	119.8
94	Private households employing staff	2.5	3.3	3.1	3.4	3.3
TOTAL		3365.6	3410.0	3478.2	3546.7	3647.7

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

LABOUR FORCE SURVEY  
EMPLOYED MARRIED FEMALES (a)  
( '000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	48.2	48.5	52.5	51.9	62.4
03,04 Forestry, logging, fishing and hunting	0	0.1	0.6	0.4	0.9
11-16 Mining	0.8	1.1	1.2	1.3	1.7
21-34 Manufacturing	188.7	201.0	210.4	225.2	235.5
36,37 Electricity, gas and water	2.1	2.1	2.4	2.5	2.6
41,42 Construction	8.9	8.0	9.9	14.7	16.5
47,48 Wholesale and retail trade	211.3	216.2	228.0	238.5	263.4
51-55 Transport and storage	12.3	10.9	14.9	17.9	20.1
56 Communication	8.7	10.8	10.3	11.6	14.9
61-63 Finance, insurance, real estate and business services	42.1	48.7	52.8	67.9	74.8
71,72 Public administration and defence	12.9	13.4	17.5	21.1	24.3
81-84 Community services	124.7	137.1	150.5	164.5	187.2
91-94 Entertainment, recreation, restaurants, hotels and personal services	100.4	117.6	118.3	115.3	127.0
94 Private households employing staff	9.7	12.3	10.6	12.2	12.4
TOTAL	761.2	815.6	869.3	932.8	1031.4

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).



LABOUR FORCE SURVEY  
EMPLOYED OTHER FEMALES (a)  
( '000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	15.7	10.7	11.0	13.5	13.2
03,04 Forestry, logging, fishing and hunting	0	0	0.1	0.2	0.3
11-16 Mining	1.4	1.9	2.2	2.1	2.7
21-34 Manufacturing	121.7	116.6	114.2	113.4	108.4
36,37 Electricity, gas and water	5.5	5.5	5.3	4.5	4.3
41,42 Construction	4.9	5.7	5.3	4.6	4.8
47,48 Wholesale and retail trade	170.3	171.6	180.9	161.7	177.3
51-55 Transport and storage	14.3	13.1	12.4	14.7	15.1
56 Communication	14.5	15.9	13.1	15.7	13.6
61-63 Finance, insurance, real estate and business services	80.0	86.1	86.9	92.4	92.2
71,72 Public administration and defence	33.2	35.7	34.2	36.5	39.5
81-84 Community services	163.0	167.7	168.4	171.7	169.6
91-94 Entertainment, recreation, restaurants, hotels and personal services	72.5	76.8	74.0	72.3	75.6
94 Private households employing staff	16.8	15.6	14.5	14.9	13.1
TOTAL	697.1	707.4	708.1	703.5	716.4

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

LABOUR FORCE SURVEY  
EMPLOYED ALL FEMALES (a)

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ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	63.9	59.2	63.6	65.4	75.6
03,04 Forestry, logging, fishing and hunting	0	0.1	0.7	0.6	1.1
11-16 Mining	2.2	3.0	3.4	3.4	4.5
21-34 Manufacturing	310.4	317.6	324.7	338.6	343.9
36,37 Electricity, gas and water	7.6	7.6	7.7	7.0	6.9
41,42 Construction	13.8	13.7	15.3	19.3	21.3
47,48 Wholesale and retail trade	381.6	387.8	408.9	400.2	440.7
51-55 Transport and storage	26.7	24.0	27.4	32.6	35.2
56 Communication	23.2	26.7	23.4	27.3	28.5
61-63 Finance, insurance, real estate and business services	122.1	134.8	139.7	160.3	167.0
71,72 Public administration and defence	46.1	49.1	51.7	57.7	63.8
81-84 Community services	287.6	304.8	318.8	336.3	356.8
91-94 Entertainment, recreation, restaurants, hotels and personal services	172.9	194.4	192.3	187.6	202.5
94 Private households employing staff	26.5	27.9	25.1	27.1	25.5
TOTAL	1458.2	1523.0	1577.5	1636.2	1747.8

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

LABOUR FORCE SURVEY  
EMPLOYED PERSONS (a)  
( '000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	412.0	409.1	416.5	398.7	413.3
03,04 Forestry, logging, fishing and hunting	17.6	19.6	23.5	16.4	20.6
11-16 Mining	58.0	62.6	72.7	67.3	81.7
21-34 Manufacturing	1232.5	1260.9	1263.6	1302.0	1320.4
36,37 Electricity, gas and water	96.5	101.6	107.7	103.2	103.4
41,42 Construction	406.0	401.8	421.7	435.3	456.5
47,48 Wholesale and retail trade	993.5	1003.7	1026.4	1037.7	1087.4
51-55 Transport and storage	270.0	265.4	278.5	290.1	299.1
56 Communication	105.4	108.8	108.5	113.2	117.4
61-63 Finance, insurance, real estate and business services	294.4	306.5	320.9	367.6	383.5
71,72 Public administration and defence	165.0	170.0	179.6	196.0	203.2
81-84 Community services	486.0	511.3	530.8	549.3	586.5
91-94 Entertainment, recreation, restaurants, hotels and personal services	287.0	311.6	305.2	306.2	322.4
94 Private households employing staff	29.0	31.2	28.3	30.5	28.8
TOTAL	4823.9	4933.0	5055.6	5183.0	5395.6

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

LABOUR FORCE SURVEY  
EMPLOYED WAGE AND SALARY EARNERS - MALES (a)  
( '000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	125.1	129.9	130.7	122.2	128.7
03,04 Forestry, logging, fishing and hunting	10.0	12.4	15.4	10.2	11.7
11-16 Mining	53.1	57.9	67.0	62.6	75.2
21-34 Manufacturing	886.5	908.4	910.1	937.0	948.9
36,37 Electricity, gas and water	88.8	93.9	99.9	96.1	96.4
41,42 Construction	316.2	316.2	333.1	333.5	351.9
47,48 Wholesale and retail trade	493.7	493.6	503.0	529.6	529.6
51-55 Transport and storage	205.5	206.6	213.4	222.5	226.5
56 Communication	82.1	82.0	85.1	85.8	88.1
61-63 Finance, insurance, real estate and business services	145.1	146.4	155.4	176.1	184.7
71,72 Public administration and defence	118.7	120.8	127.8	138.1	139.1
81-84 Community services	185.0	193.3	197.5	197.2	213.8
91-94 Entertainment, recreation, restaurants, hotels and personal services	79.7	88.2	83.7	88.4	88.7
94 Private households employing staff	2.2	2.9	2.3	2.7	2.5
TOTAL	2789.6	2849.6	2922.0	2999.3	3084.0

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

LABOUR FORCE SURVEY  
EMPLOYED WAGE AND SALARY EARNERS - FEMALES (a)  
( '000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	15.2	14.3	16.2	19.3	21.1
03,04 Forestry, logging, fishing and hunting	0	0.1	0.4	0.3	0.6
11-16 Mining	2.2	3.0	3.4	3.4	4.3
21-34 Manufacturing	300.9	308.6	317.9	327.6	336.8
36,37 Electricity, gas and water	7.6	7.6	7.6	6.9	6.8
41,42 Construction	10.4	11.4	12.6	14.9	17.1
47,48 Wholesale and retail trade	316.6	325.4	345.1	339.3	375.1
51-55 Transport and storage	23.6	21.0	23.3	27.1	29.4
56 Communication	22.6	26.1	22.6	27.0	27.8
61-63 Finance, insurance, real estate and business services	117.9	129.2	133.6	152.4	158.1
71,72 Public administration and defence	45.9	48.9	51.3	57.4	63.1
81-84 Community services	277.3	293.9	307.6	323.7	347.4
91-94 Entertainment, recreation, restaurants, hotels and personal services	146.8	165.8	166.2	162.2	176.1
94 Private households employing staff	26.5	27.9	25.1	27.1	25.0
TOTAL	1287.0	1355.3	1407.8	1461.4	1564.4

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

LABOUR FORCE SURVEY  
EMPLOYED WAGE AND SALARY EARNERS - PERSONS (a)  
( '000)

ASIC 1969 industry division or Sub-division		AUGUST				
		1966	1967	1968	1969	1970
01,02	Agriculture and services to agriculture	140.3	144.2	146.9	141.5	149.8
03,04	Forestry, logging, fishing and hunting	10.0	12.5	15.8	10.5	12.3
11-16	Mining	55.3	60.9	70.3	66.0	79.5
21-34	Manufacturing	1187.3	1217.0	1227.9	1264.6	1285.7
36,37	Electricity, gas and water	96.4	101.5	107.5	103.0	103.2
41,42	Construction	326.6	327.6	345.7	348.4	369.0
47,48	Wholesale and retail trade	810.3	819.0	848.1	868.9	904.8
51-55	Transport and storage	229.1	227.6	236.7	249.6	255.9
56	Communication	104.7	108.1	107.7	112.8	116.5
61-63	Finance, insurance, real estate and business services	263.0	275.6	289.0	328.5	342.9
71,72	Public administration and defence	164.6	169.7	179.1	195.5	202.8
81-84	Community services	462.3	487.2	505.2	520.9	561.2
91-94	Entertainment, recreation, restaurants, hotels and personal services	226.5	254.0	249.9	250.6	264.9
94	Private households employing staff	28.7	30.8	27.4	29.8	27.5
TOTAL		4076.6	4204.9	4329.8	4460.8	4648.5

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

LABOUR FORCE SURVEY  
EMPLOYED NON - WAGE AND SALARY EARNERS - MALES (a)  
( '000)

ASIC 1969 industry division or Sub-division		AUGUST				
		1966	1967	1968	1969	1970
01,02	Agriculture and services to agriculture	223.0	220.0	222.2	211.1	209.0
03,04	Forestry, logging, fishing and hunting	7.5	7.1	7.4	5.7	7.8
11-16	Mining	2.7	1.7	2.4	1.3	2.0
21-34	Manufacturing	35.6	34.9	28.8	26.4	27.6
36,37	Electricity, gas and water	0.1	0.1	0.1	0.1	0.1
41,42	Construction	76.0	71.9	73.4	82.5	83.3
47,48	Wholesale and retail trade	118.1	122.2	114.5	107.9	117.1
51-55	Transport and storage	37.8	34.8	37.7	35.0	37.4
56	Communication	0.1	0.1	0	0.1	0.3
61-63	Finance, insurance, real estate and business services	27.2	25.3	25.9	31.3	31.8
71,72	Public administration and defence	0.2	0.1	0.2	0.2	0.3
81-84	Community services	13.3	13.2	14.4	15.9	15.9
91-94	Entertainment, recreation, restaurants, hotels and personal services	34.4	29.0	29.1	30.2	31.1
94	Private households employing staff	0.3	0.4	0.8	0.7	0.8
TOTAL		576.0	560.4	556.0	547.4	563.7

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).



LABOUR FORCE SURVEY  
EMPLOYED NON - WAGE AND SALARY EARNERS - FEMALES (a)  
( '000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	48.7	44.9	47.4	46.1	54.5
03,04 Forestry, logging, fishing and hunting	0	0	0.3	0.3	0.5
11-16 Mining	0	0	0	0	0.2
21-34 Manufacturing	0.5	9.0	6.8	11.0	7.1
36,37 Electricity, gas and water	0	0	0.1	0.1	0.1
41,42 Construction	3.4	2.3	2.7	4.4	4.2
47,48 Wholesale and retail trade	65.0	62.4	63.8	60.9	65.6
51-55 Transport and storage	3.1	3.0	4.1	5.5	5.8
56 Communication	0.6	0.6	0.8	0.3	0.7
61-63 Finance, insurance, real estate and business services	4.2	5.6	6.1	7.9	8.9
71,72 Public administration and defence	0.2	0.2	0.4	0.3	0.1
81-84 Community services	10.3	10.9	11.2	12.6	9.4
91-94 Entertainment, recreation, restaurants, hotels and personal services	26.1	28.6	26.1	25.4	26.4
94 Private households employing staff	0	0	0	0	0.5
TOTAL	171.2	167.7	169.7	174.8	183.4

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

LABOUR FORCE SURVEY  
EMPLOYED NON - WAGE AND SALARY EARNERS - PERSONS (a)  
( '000 )

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	271.7	264.9	269.6	257.2	263.5
03,04 Forestry, logging, fishing and hunting	7.6	7.1	7.7	6.0	8.3
11-16 Mining	2.7	1.7	2.4	1.3	2.2
21-34 Manufacturing	45.2	43.9	35.7	37.4	34.7
36,37 Electricity, gas and water	0.1	0.1	0.2	0.2	0.2
41,42 Construction	79.4	74.2	76.0	86.9	87.5
47,48 Wholesale and retail trade	183.2	184.7	178.3	168.8	182.7
51-55 Transport and storage	40.9	37.8	41.8	40.5	43.2
56 Communication	0.7	0.7	0.8	0.4	0.9
61-63 Finance, insurance, real estate and business services	31.4	30.9	31.9	39.2	40.7
71,72 Public administration and defence	0.4	0.3	0.5	0.5	0.4
81-84 Community services	23.7	24.1	25.6	28.5	25.3
91-94 Entertainment, recreation, restaurants, hotels and personal services	60.5	57.6	55.3	55.6	57.5
94 Private households employing staff	0.3	0.4	0.9	0.7	1.3
TOTAL	747.3	728.1	725.9	722.2	747.0

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

LABOUR FORCE SURVEY

EMPLOYERS AND SELF-EMPLOYED - MALES

('000)

ASIC 1969 industry division or Sub-division		AUGUST				
		1966	1967	1968	1969	1970
01,02	Agriculture and services to agriculture	218.9	217.1	217.0	204.3	205.1
03,04	Forestry, logging, fishing and hunting	7.1	6.5	7.2	5.3	7.8
11-16	Mining	1.2	1.0	0.9	0.9	1.9
21-34	Manufacturing	31.4	31.0	28.6	25.9	27.1
36,37	Electricity, gas and water	0	0	0	0	0
41,42	Construction	76.7	72.8	74.0	85.2	83.8
47,48	Wholesale and retail trade	119.0	121.9	114.3	107.2	116.4
51-55	Transport and storage	38.2	35.2	37.3	34.7	37.1
56	Communication	0.1	0	0.1	0.1	0.3
61-63	Finance, insurance, real estate and business services	27.4	25.3	25.7	29.6	31.5
71,72	Public administration and defence	0	0	0	0	0
81-84	Community services	13.4	13.1	14.4	16.6	16.0
91-94	Entertainment, recreation, restaurants, hotels and personal services	33.6	28.7	28.2	28.6	30.4
94	Private households employing staff	0.4	0.5	0.7	0.6	0.7
TOTAL		566.9	552.6	547.6	538.3	557.1

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

# LABOUR FORCE SURVEY

## EMPLOYERS AND SELF-EMPLOYED - FEMALES ( '000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	27.5	25.3	28.7	30.7	38.2
03,04 Forestry, logging, fishing and hunting	0	0	0.3	0.3	0.6
11-16 Mining	0	0	0	0	0
21-34 Manufacturing	9.8	9.7	7.6	10.3	9.4
36,37 Electricity, gas and water	0	0	0	0	0
41,42 Construction	2.8	2.0	2.8	4.3	3.7
47,48 Wholesale and retail trade	55.0	54.7	53.1	54.4	59.2
51-55 Transport and storage	2.6	2.3	3.5	4.9	4.9
56 Communication	0.5	0.6	0.7	0.3	0.5
61-63 Finance, insurance, real estate and business services	4.4	6.0	5.6	7.3	8.3
71,72 Public administration and defence	0	0	0	0	0
81-84 Community services	8.3	9.0	9.7	10.9	8.3
91-94 Entertainment, recreation, restaurants, hotels and personal services	23.6	27.0	23.9	24.1	24.0
94 Private households employing staff	0.2	0.2	0.3	0.2	0.7
TOTAL	134.1	136.6	135.2	147.2	156.7

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

# LABOUR FORCE SURVEY

## EMPLOYERS AND SELF-EMPLOYED - PERSONS

('000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	246.5	242.4	245.7	235.0	243.3
03,04 Forestry, logging, fishing and hunting	7.2	6.5	7.6	5.7	8.5
11-16 Mining	1.2	1.0	0.9	0.9	1.9
21-34 Manufacturing	41.1	40.9	36.1	36.3	36.2
36,37 Electricity, gas and water	0	0	0	0	0
41,42 Construction	79.5	74.8	76.8	89.5	87.4
47,48 Wholesale and retail trade	173.9	176.6	167.4	161.5	175.6
51-55 Transport and storage	40.8	37.6	40.7	39.6	42.2
56 Communication	0.6	0.6	0.8	0.4	0.8
61-63 Finance, insurance, real estate and business services	31.8	31.3	31.3	36.7	39.7
71,72 Public administration and defence	0	0	0	0	0
81-84 Community services	21.7	22.2	24.1	27.5	24.4
91-94 Entertainment, recreation, restaurants, hotels and personal services	57.2	55.8	52.1	52.7	54.4
94 Private households employing staff	0.5	0.7	0.9	0.8	1.4
TOTAL	701.0	689.2	682.8	685.4	713.8

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

LABOUR FORCE SURVEY  
MALES EMPLOYED FULL-TIME (a)  
( '000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	334.9	339.1	340.1	320.1	326.6
03,04 Forestry, logging, fishing and hunting	16.5	18.1	22.4	15.1	18.8
11-16 Mining	54.3	58.5	67.7	62.6	76.0
21-34 Manufacturing	914.2	930.8	927.5	953.6	965.5
36,37 Electricity, gas and water	88.8	93.6	99.8	95.9	96.4
41,42 Construction	386.8	381.9	400.9	409.0	427.9
47,48 Wholesale and retail trade	587.9	591.0	593.2	610.9	619.3
51-55 Transport and storage	234.2	230.0	244.4	250.3	255.7
56 Communication	81.5	81.4	84.5	85.4	87.7
61-63 Finance, insurance, real estate and business services	164.8	165.3	175.0	198.4	207.2
71,72 Public administration and defence	117.7	118.8	126.4	136.5	137.8
81-84 Community services	159.4	161.5	164.3	166.8	208.7(b)
91-94 Entertainment, recreation, restaurants, hotels and personal services	99.3	102.9	99.8	104.6	105.8
94 Private households employing staff	1.2	1.2	1.2	1.3	1.4
TOTAL	3240.2	3272.8	3346.2	3409.2	3533.4(b)

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

(b) There is a discontinuity for Community services between August 1969 and August 1970 because of a reclassification of some teachers.

LABOUR FORCE SURVEY

FEMALES EMPLOYED FULL-TIME (a)  
( '000)

ASIC 1969 industry division or Sub-division		AUGUST				
		1966	1967	1968	1969	1970
01,02	Agriculture and services to agriculture	36.6	30.1	34.7	33.9	41.4
03,04	Forestry, logging, fishing and hunting	0	0	0.1	0.3	0.5
11-16	Mining	2.2	2.8	3.3	3.3	4.2
21-34	Manufacturing	279.8	285.9	292.4	299.6	303.5
36,37	Electricity, gas and water	6.7	6.5	6.9	6.1	6.3
41,42	Construction	7.6	8.4	8.2	9.4	9.7
47,48	Wholesale and retail trade	297.9	301.3	312.7	305.1	326.4
51-55	Transport and storage	20.9	19.3	20.5	23.6	25.5
56	Communication	19.6	21.3	18.4	21.7	23.3
61-63	Finance, insurance, real estate and business services	102.2	111.6	112.2	126.4	131.9
71,72	Public administration and defence	40.8	45.8	47.0	52.4	57.6
81-84	Community services	184.6	195.6	201.5	206.8	244.7(b)
91-94	Entertainment, recreation, restaurants, hotels and personal services	109.6	121.8	120.7	112.6	117.5
94	Private households employing staff	11.8	12.5	11.1	10.7	8.8
TOTAL		1108.6	1150.4	1178.6	1201.1	1292.5(b)

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

(b) There is a discontinuity for Community services between August 1969 and August 1970 because of a reclassification of some teachers.



LABOUR FORCE SURVEY

PERSONS EMPLOYED FULL-TIME (a)  
( '000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	371.4	369.2	374.8	354.0	368.0
03,04 Forestry, logging, fishing and hunting	16.6	18.1	22.5	15.4	19.3
11-16 Mining	56.6	61.3	71.1	65.9	80.2
21-34 Manufacturing	1194.1	1216.7	1219.9	1253.2	1268.9
36,37 Electricity, gas and water	95.6	100.1	106.6	102.0	102.7
41,42 Construction	394.3	390.3	409.1	418.4	437.6
47,48 Wholesale and retail trade	885.8	892.3	905.9	916.0	945.7
51-55 Transport and storage	255.2	249.3	264.9	273.9	281.1
56 Communication	101.1	102.7	103.0	107.1	111.0
61-63 Finance, insurance, real estate and business services	266.9	276.9	287.3	324.8	339.0
71,72 Public administration and defence	158.5	164.6	173.4	188.9	195.4
81-84 Community services	344.0	357.1	365.8	373.6	453.4(b)
91-94 Entertainment, recreation, restaurants, hotels and personal services	208.8	224.7	220.5	217.2	223.5
94 Private households employing staff	13.0	13.7	12.3	12.0	10.3
TOTAL	4348.8	4423.2	4524.8	4610.3	4825.9(b)

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

(b) There is a discontinuity for Community services between August 1969 and August 1970 because of the reclassification of some teachers.

LABOUR FORCE SURVEY  
MALES EMPLOYED PART-TIME (a)  
( '000)

ASIC 1969 industry division or Sub-division		AUGUST				
		1966	1967	1968	1969	1970
01,02	Agriculture and services to agriculture	13.2	10.8	12.8	13.2	11.1
03,04	Forestry, logging, fishing and hunting	1.0	1.4	0.4	0.7	0.7
11-16	Mining	1.5	1.1	1.7	1.3	1.2
21-34	Manufacturing	7.9	12.5	11.4	7.7	11.0
36,37	Electricity, gas and water	0.1	0.4	0.2	0.3	0.1
41,42	Construction	5.4	6.2	5.6	7.0	7.3
47,48	Wholesale and retail trade	24.0	24.8	24.3	26.5	27.4
51-55	Transport and storage	9.1	11.4	6.7	7.2	8.2
56	Communication	0.7	0.7	0.6	0.5	1.3
61-63	Finance, insurance, real estate and business services	7.5	6.4	6.3	9.4	9.3
71,72	Public administration and defence	1.2	2.1	1.6	1.8	1.6
81-84	Community services	38.9	45.0	47.6	46.1	21.0(b)
91-94	Entertainment, recreation, restaurants, hotels and personal services	14.8	14.3	13.0	13.9	14.0
94	Private households employing staff	1.3	2.1	1.9	2.1	1.9
TOTAL		125.4	137.1	132.0	137.6	114.3(b)

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).

(b) There is a discontinuity for Community services between August 1969 and August 1970 because of a reclassification of some teachers.

LABOUR FORCE SURVEY  
FEMALES EMPLOYED PART-TIME (a)

('000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	27.3	29.1	28.9	31.5	34.2
03,04 Forestry, logging, fishing and hunting	0	0.1	0.6	0.3	0.6
11-16 Mining	0	0.2	0.1	0.1	0.3
21-34 Manufacturing	30.6	31.8	32.3	39.0	40.4
36,37 Electricity, gas and water	0.9	1.1	0.8	0.9	0.6
41,42 Construction	6.2	5.3	7.1	9.9	11.6
47,48 Wholesale and retail trade	83.7	86.5	96.2	95.1	114.3
51-55 Transport and storage	5.8	4.7	6.9	9.0	9.7
56 Communication	3.6	5.4	5.0	5.6	5.2
61-63 Finance, insurance, real estate and business services	19.9	23.2	27.5	33.9	35.1
71,72 Public administration and defence	5.3	3.3	4.7	5.3	6.2
81-84 Community services	103.0	109.2	117.3	129.5	112.1(b)
91-94 Entertainment, recreation, restaurants, hotels and personal services	63.3	72.6	71.6	75.0	85.0
94 Private households employing staff	14.7	15.4	14.0	16.4	16.7
TOTAL	349.6	372.6	398.9	435.1	455.3(b)

- (a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).
- (b) There is a discontinuity for Community services between August 1969 and August 1970 because of a reclassification of some teachers.

LABOUR FORCE SURVEY  
PERSONS EMPLOYED PART-TIME (a)  
( '000)

ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture	40.6	39.9	41.7	44.7	45.3
03,04 Forestry, logging, fishing and hunting	1.0	1.5	1.0	1.0	1.3
11-16 Mining	1.4	1.3	1.6	1.4	1.5
21-34 Manufacturing	38.4	44.3	43.7	48.7	51.5
36,37 Electricity, gas and water	0.9	1.5	1.1	1.2	0.7
41,42 Construction	11.7	11.5	12.6	16.9	18.9
47,48 Wholesale and retail trade	107.7	111.4	120.5	121.6	141.7
51-55 Transport and storage	14.8	16.1	13.6	16.2	18.0
56 Communication	4.3	6.1	5.5	6.1	6.4
61-63 Finance, insurance, real estate and business services	27.5	29.6	33.6	43.3	44.5
71,72 Public administration and defence	6.5	5.4	6.2	7.1	7.8
81-84 Community services	142.0	154.2	165.0	175.6	133.1(b)
91-94 Entertainment, recreation, restaurants, hotels and personal services	78.2	86.9	84.7	88.9	98.9
94 Private households employing staff	16.0	17.5	16.0	18.5	18.5
TOTAL	475.1	509.7	530.8	572.7	569.7(b)

- (a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).
- (b) There is a discontinuity for Community services between August 1969 and August 1970 because of a reclassification of some teachers.

## EMPLOYED PERSONS: ASIC INDUSTRY BY AGE

AUGUST 1966

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Age Group (years)	ASIC INDUSTRY													Total
	Agriculture and services to agriculture	Forestry logging, fishing and hunting	Mining	Manufacturing	Electricity gas and water	Construction	Wholesale and retail trade	Transport	Communication	Finance, insurance, real estate and business services	Public administration and defence	Community services	Entertainment, recreation, etc	
MALES														
15-19	36.1	1.4	3.1	100.0	7.9	35.4	81.0	12.8	11.3	22.7	9.9	7.6	8.6	337.8
20-24	38.9	1.7	6.3	106.6	8.8	44.1	82.1	21.0	11.1	25.1	17.6	25.4	10.0	398.7
25-34	66.0	4.3	12.9	197.6	17.5	95.6	129.1	50.5	14.6	39.3	19.2	44.6	20.8	712.0
35-44	69.7	4.1	14.6	221.4	20.9	94.2	125.1	68.2	18.0	34.7	25.5	48.3	22.2	766.9
45-54	61.8	3.7	11.1	174.2	20.9	70.0	108.9	51.1	17.3	23.5	25.1	40.6	23.5	631.7
55-59	27.0	1.3	6.0	62.3	7.2	28.2	39.6	20.8	6.1	12.3	13.3	15.0	10.4	249.5
60-64	21.8	0.5	1.2	43.4	5.3	19.3	27.1	14.6	3.6	7.7	7.5	10.0	10.2	172.2
65 & over	26.8	0.5	0.6	16.6	0.4	5.4	19.0	4.3	0.2	7.0	0.8	6.8	8.4	96.8
Sub total 25 & over	273.1	14.4	46.4	715.5	72.2	312.7	448.8	209.5	59.8	124.5	91.4	165.3	95.5	2 629.1
Total	348.1	17.5	55.8	922.1	88.9	392.2	611.9	243.3	82.2	172.3	118.9	198.3	114.1	3 365.6
FEMALES														
15-19	5.1	0	0.7	60.6	3.0	2.9	99.1	5.8	7.0	44.2	14.9	44.8	25.6	313.7
20-24	6.2	0	0.4	47.9	2.0	2.0	55.8	5.8	3.7	31.5	10.3	58.0	17.5	241.1
25-34	13.3	0	0.1	61.9	1.1	2.2	57.8	4.2	2.9	14.3	4.4	54.1	28.6	244.9
35-44	17.5	0	0.4	71.0	0.9	3.5	77.9	4.6	3.4	16.4	6.2	52.6	39.1	293.3
45-54	12.1	0	0.5	50.8	0.4	2.1	62.5	4.4	4.5	10.0	7.2	47.3	38.0	239.8
55-59	3.8	0	0	11.7	0.2	0.7	17.2	1.0	0.7	2.9	1.8	17.5	10.3	67.8
60-64	2.8	0	0	4.5	0	0.2	6.8	0.5	0.5	1.6	0.9	7.8	7.5	33.1
65 & over	3.2	0	0.1	2.0	0	0.4	4.5	0.4	0.5	1.2	0.4	5.5	6.4	24.6
Sub total 25 & over	52.7	0	1.1	201.9	2.6	8.9	226.7	15.1	12.5	46.4	20.9	184.8	129.9	903.5
Total	63.9	0	2.2	310.4	7.6	13.8	381.6	26.7	23.2	122.1	46.1	287.6	172.9	1 458.2
PERSONS														
15-19	41.2	1.4	3.8	160.6	10.9	38.3	180.1	18.6	18.3	66.9	24.8	52.4	34.2	651.4
20-24	45.1	1.7	6.7	154.5	10.8	46.1	137.9	26.8	14.8	56.6	27.9	83.4	27.5	639.8
25-34	79.3	4.3	13.0	259.5	18.6	97.8	186.9	54.7	17.5	53.6	23.6	98.7	49.4	956.9
35-44	87.2	4.1	15.0	292.4	21.8	97.5	203.0	72.8	21.4	51.1	31.7	100.9	61.3	1 060.2
45-54	73.9	3.7	11.6	225.0	21.3	72.1	171.4	55.5	21.8	33.5	32.3	87.9	61.5	871.5
55-59	30.8	1.3	6.0	74.0	7.4	28.9	56.8	21.8	6.8	15.2	15.1	32.5	20.7	317.3
60-64	24.6	0.5	1.2	47.9	5.3	19.5	33.9	15.1	4.1	9.3	8.4	17.8	17.7	205.3
65 & over	30.0	0.5	0.7	18.6	0.4	5.8	23.5	4.7	0.7	8.2	1.2	12.3	14.8	121.4
Sub total 25 & over	325.8	14.4	47.5	917.4	74.8	321.6	675.5	224.6	72.3	170.9	112.3	350.1	225.4	3 532.6
Total	412.0	17.6	58.0	1 232.5	96.5	406.0	993.5	270.0	105.4	294.4	165.0	486.0	287.0	4 823.9

## EMPLOYED PERSONS: ASIC INDUSTRY BY AGE

AUGUST 1967

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## ASIC INDUSTRY

Age Group (years)	Agriculture and services to agric- ulture	Forestry logging, fishing and hunting	Mining	Manufact- uring	Electricity gas and water	Construct- ion	Wholesale and retail trade	Transport	Communic- ation	Finance, insurance, real estate and busin- ess services	Public administ- ration and defence	Commun- ity services	Entertain- ment, recreation, etc	Total
MALES														
15-19	40.6	1.4	3.7	91.8	6.7	34.6	79.7	12.0	9.7	21.4	9.3	7.6	10.0	328.4
20-24	37.7	2.5	5.6	118.7	10.8	44.6	78.0	21.7	11.1	27.6	19.1	25.8	9.3	412.4
25-34	66.2	4.3	14.8	202.3	20.7	97.5	134.5	47.9	17.4	38.3	20.7	45.9	21.9	732.4
35-44	70.3	4.0	16.1	212.1	22.0	92.8	123.0	67.5	15.9	35.5	26.5	53.3	23.0	762.0
45-54	64.5	4.0	13.1	180.2	19.0	67.0	110.5	54.9	19.1	21.8	23.1	40.2	24.9	642.3
55-59	27.0	1.7	4.4	72.0	8.9	28.5	38.3	19.3	5.2	12.9	11.8	16.2	11.3	257.5
60-64	20.4	1.3	1.5	47.0	5.5	18.5	29.1	13.3	3.6	7.7	8.0	10.3	7.7	173.8
65 & over	23.3	0.3	0.5	19.2	0.5	4.6	22.7	4.8	0.1	6.5	2.4	7.2	9.1	101.2
Sub total 25 & over	271.7	15.6	50.4	732.8	76.6	308.9	458.1	207.7	61.3	122.7	92.5	173.1	97.9	2 669.2
Total	349.9	19.5	59.6	943.3	94.0	388.1	615.8	241.4	82.1	171.7	120.9	206.5	117.2	3 410.0
FEMALES														
15-19	2.5	0	0.7	52.8	3.5	2.5	91.5	5.2	9.0	50.2	16.4	41.7	27.6	303.6
20-24	4.3	0	0.8	58.6	1.6	3.2	72.0	7.1	5.3	15.0	11.9	73.4	23.6	276.7
25-34	14.0	0	0.9	57.5	0.7	2.8	54.2	3.0	3.6	22.8	5.7	55.0	32.7	252.8
35-44	17.5	0.1	0.6	73.1	0.7	2.7	75.5	3.8	3.5	19.6	5.3	54.2	42.6	299.3
45-54	12.4	0	0	54.8	0.5	1.8	62.1	3.0	3.5	17.7	6.7	46.3	39.9	248.7
55-59	4.6	0	0.1	12.9	0.3	0.4	19.8	1.1	1.0	4.6	1.7	19.4	13.9	79.9
60-64	1.6	0	0	5.6	0.1	0.3	8.3	0.6	0.4	3.2	0.9	8.8	7.2	37.1
65&over	2.4	0	0	2.3	0.1	0	4.4	0.2	0.4	1.7	0.5	5.9	6.9	24.8
Sub total 25 & over	52.5	0.1	1.6	206.2	2.4	8.0	224.3	11.7	12.4	69.6	20.8	189.6	143.2	942.6
Total	59.2	0.1	3.0	317.6	7.6	13.7	387.8	24.0	26.7	134.8	49.1	304.8	194.4	1 523.0
PERSONS														
15-19	43.1	1.4	4.4	144.6	10.2	37.1	171.2	17.2	18.7	71.6	25.7	49.3	37.6	632.1
20-24	41.9	2.5	6.4	177.2	12.4	47.8	150.0	28.8	16.4	42.6	31.0	99.2	32.9	689.0
25-34	80.1	4.3	15.7	259.8	21.4	100.3	188.7	50.9	21.0	61.1	26.4	100.9	54.6	985.1
35-44	87.8	4.1	16.7	285.2	22.7	95.5	198.5	71.3	19.4	55.1	31.8	107.5	65.6	1 061.3
45-54	76.9	4.0	13.1	235.0	19.5	68.8	172.6	57.9	22.6	39.5	29.8	86.5	64.8	891.1
55-59	31.6	1.7	4.5	84.9	9.2	28.9	58.1	20.4	6.2	17.5	13.5	35.6	25.2	337.4
60-64	22.0	1.3	1.5	52.6	5.6	18.8	37.4	13.9	4.0	10.9	8.9	19.1	14.9	210.8
65 & over	25.7	0.3	0.5	21.5	0.6	4.6	27.1	5.0	0.5	8.2	2.9	13.1	16.0	126.0
Sub total 25 & over	324.2	15.7	52.0	939.0	79.0	316.9	682.4	219.4	73.7	192.3	113.3	362.7	241.1	3 611.8
Total	409.1	19.6	62.9	1 260.9	101.6	401.8	1 003.7	265.4	108.8	306.5	170.0	511.3	311.6	4 933.0



## EMPLOYED PERSONS: ASIC INDUSTRY BY AGE

AUGUST 1968

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## ASIC INDUSTRY

Age Group (years)	Agriculture and services to agric- ulture	Forestry logging, fishing and hunting	Mining	Manufact- uring	Electricity gas and water	Construct- ion	Wholesale and retail trade	Transport	Communic- ation	Finance, insurance, real estate and busin- ess services	Public administ- ration and defence	Commun- ity services	Entertain- ment, recreation, etc	Total
MALES														
15-19	37.1	2.2	4.0	85.9	5.9	33.1	82.1	12.7	10.7	18.7	8.7	6.0	10.0	317.1
20-24	37.3	4.7	8.3	119.8	12.0	52.1	86.0	23.6	10.8	31.1	18.8	28.8	11.3	444.6
25-34	67.2	4.7	15.6	202.9	19.8	96.5	136.5	52.5	17.1	40.4	26.4	53.8	21.6	755.0
35-44	70.9	3.8	19.1	209.1	24.7	99.0	118.1	64.3	17.6	35.2	27.9	49.3	22.7	761.7
45-54	67.3	4.5	14.2	177.9	20.8	74.4	108.2	55.3	18.2	25.8	27.6	41.8	22.6	658.6
55-59	28.1	1.3	5.8	74.6	9.5	28.2	38.8	23.7	6.6	13.0	9.5	14.7	8.7	262.5
60-64	19.5	1.3	1.7	49.1	6.9	17.8	31.0	15.0	3.9	9.9	7.6	11.6	8.0	183.3
65 & over	25.5	0.3	0.7	19.6	0.4	5.4	16.8	4.0	0.2	7.2	1.5	5.9	7.9	95.3
Sub total 25 & over	278.5	15.9	57.1	733.2	82.1	321.3	449.4	214.8	63.6	131.5	100.5	177.1	91.5	2 716.4
Total	352.9	22.8	69.4	938.9	100.0	406.5	617.5	251.1	85.1	181.3	128.0	211.9	112.8	3 478.2
FEMALES														
15-19	3.6	0	1.6	52.1	2.3	4.0	97.3	4.3	6.2	45.1	14.7	42.2	27.3	300.7
20-24	4.1	0	1.0	56.1	3.3	1.2	67.9	6.1	4.0	36.1	13.3	73.2	25.0	291.3
25-34	14.6	0.1	0.3	63.7	0.8	3.3	61.2	5.4	4.0	16.2	6.1	58.0	36.5	270.2
35-44	17.4	0.3	0.4	73.1	0.3	3.6	72.3	5.4	3.6	22.0	5.3	56.2	40.0	299.9
45-54	14.9	0.3	0.2	57.5	0.5	2.2	73.7	4.0	3.3	13.2	8.3	53.0	37.4	268.4
55-59	4.7	0	0	14.6	0.3	0.6	21.6	1.2	1.8	3.3	2.9	21.1	13.8	85.9
60-64	2.4	0	0	5.3	0.1	0.4	10.1	0.5	0.4	1.7	0.9	9.1	7.5	38.4
65 & over	1.8	0	0	2.3	0.1	0	4.7	0.6	0.2	2.1	0.2	6.0	4.7	22.8
Sub total 25 & over	55.8	0.7	0.9	216.5	2.1	10.1	243.6	17.1	13.3	58.5	23.7	203.4	139.9	985.6
Total	63.6	0.7	3.4	324.7	7.7	15.3	408.9	27.4	23.4	139.7	51.7	318.8	192.3	1 577.5
PERSONS														
15-19	40.7	2.2	5.6	138.0	8.2	37.1	179.4	17.0	16.9	63.8	23.4	48.2	37.3	617.8
20-24	41.4	4.7	9.3	175.9	15.3	53.3	153.9	29.7	14.8	67.2	32.1	102.0	36.3	735.8
25-34	81.8	4.8	15.9	266.6	20.6	99.8	197.7	57.9	21.1	56.6	32.5	111.8	58.1	1 025.2
35-44	88.3	4.1	19.4	282.2	25.0	102.6	190.4	69.7	21.2	57.2	33.2	105.5	62.7	1 061.6
45-54	82.2	4.8	14.4	235.4	21.3	76.6	181.9	59.3	21.5	39.0	35.9	94.8	60.0	927.1
55-59	32.8	1.3	5.8	89.2	9.8	28.8	60.4	24.9	8.4	16.3	12.4	35.8	22.5	348.4
60-64	21.9	1.3	1.7	54.4	7.0	18.2	41.1	15.5	4.3	11.6	8.5	20.7	15.5	221.6
65 & over	27.3	0.3	0.7	21.9	0.5	5.4	21.5	4.6	0.4	9.3	1.7	11.9	12.6	118.1
Sub total 25 & over	334.3	16.6	58.0	949.7	84.2	331.4	693.0	231.9	76.9	190.0	124.2	380.5	231.4	3 702.0
Total	416.5	23.5	72.7	1 263.6	107.7	421.7	1 026.4	278.5	108.5	320.9	179.6	530.8	305.2	5 055.6



## EMPLOYED PERSONS: ASIC INDUSTRY BY AGE

AUGUST 1969

('000)

## ASIC INDUSTRY

Age Group (years)	Agriculture and services to agric- ulture	Forestry logging, fishing and hunting	Mining	Manufact- uring	Electricity gas and water	Construct- ion	Wholesale and retail trade	Transport	Communic- ation	Finance, insurance, real estate and busin- ess services	Public administ- ration and defence	Commun- ity services	Entertain- ment, recreation, etc	Total
MALES														
15-19	31.8	1.1	4.5	85.2	7.1	35.7	83.8	10.2	12.5	23.2	10.4	5.6	9.0	319.9
20-24	39.5	1.9	9.5	121.9	12.1	53.8	83.5	26.5	12.0	38.3	19.8	27.8	15.1	461.9
25-34	61.8	3.7	13.3	217.5	18.7	103.4	147.7	55.2	15.4	43.8	27.3	56.8	24.9	791.1 <sup>789.5</sup> (1.6)
35-44	62.9	3.5	16.1	212.3	22.3	96.7	124.3	65.8	15.4	40.6	26.9	46.2	23.6	757.4 <sup>756.6</sup> (0.8)
45-54	62.5	2.8	12.8	181.8	21.0	76.2	109.9	55.3	19.3	29.5	32.6	42.9	19.8	666.3
55-59	30.2	0.9	4.7	74.6	7.8	27.2	39.5	23.8	7.3	13.9	11.8	15.5	11.3	268.1 <sup>268.5</sup> (0.4)
60-64	20.9	1.3	2.5	49.9	6.5	16.5	29.1	15.9	3.7	9.6	7.8	11.7	7.4	182.2
65 & over	23.7	0.5	0.6	20.1	0.8	6.3	19.7	4.7	0.5	8.7	1.7	6.5	7.5	99.8 <sup>101.3</sup> (1.5)
Sub total 25 & over	262.0	12.8	49.9	756.3	77.0	326.5	470.1	220.7	61.4	145.9	108.2	179.7	94.5	2 765.0
Total	333.3	15.8 <sup>7.4</sup>	63.9 <sup>4.0</sup>	963.4 <sup>3.4</sup>	96.2 <sup>3.4</sup>	416.0 <sup>5.8</sup>	637.5	257.5 <sup>4</sup>	85.9 <sup>86.1</sup>	207.3 <sup>6.1</sup>	138.3 <sup>✓</sup>	213.0 <sup>✓</sup>	118.6 <sup>✓</sup>	3 546.7 <sup>✓</sup>

## FEMALES

15-19	5.1	0.2	1.4	50.2	2.1	3.1	88.3	4.6	6.1	47.3	14.5	40.5	27.3	290.6
20-24	4.6	0	0.3	63.7	2.1	2.7	66.3	6.5	6.3	41.9	17.5	76.2	24.4	312.6
25-34	14.0	0.1	0.5	72.1	1.0	4.9	63.6	5.4	3.5	25.0	6.6	68.6	34.9	300.3
35-44	17.5	0.1	0.9	76.5	0.8	4.0	79.6	7.1	4.3	20.9	6.5	58.6	38.5	315.2
45-54	16.0	0.1	0.1	56.9	0.6	3.2	67.2	6.1	4.5	16.9	7.9	55.7	35.8	271.0
55-59	3.6	0.1	0	13.2	0.2	0.5	21.3	1.2	1.6	4.1	3.1	21.4	14.4	84.6
60-64	2.8	0	0.2	4.2	0	0.6	9.6	0.9	0.8	2.2	1.1	8.6	7.1	38.0
65&over	1.8	0	0	1.8	0.1	0.4	4.3	0.8	0.2	2.0	0.5	6.8	5.1	23.9
Sub total 25 & over	55.7	0.4	1.7	224.7	2.7	13.6	245.6	21.5	14.9	71.1	25.7	219.7	135.8	1 033.0
Total	65.4	0.6	3.4	338.6	7.0	19.3	400.2	32.6	27.3	160.3	57.7	336.3	187.6	1 636.2

## PERSONS

15-19	36.9	1.3	5.9	135.4	9.2	38.8	172.1	14.8	18.6	70.5	24.9	46.1	36.3	610.5
20-24	44.1	1.9	9.8	185.6	14.2	56.5	149.8	33.0	18.3	80.2	37.3	104.0	39.5	774.5
25-34	75.8	3.8	13.8	289.6	19.7	108.3	211.3	60.6	18.9	68.8	33.9	125.4	59.8	1 091.4
35-44	80.4	3.6	17.0	288.8	23.1	100.7	203.9	72.9	19.7	61.5	33.4	104.8	62.1	1 072.6
45-54	78.5	2.9	12.9	238.7	21.6	79.4	177.1	61.4	23.8	46.4	40.5	98.6	55.6	937.3
55-59	33.8	1.0	4.7	87.8	8.0	27.7	60.8	25.0	8.9	18.0	14.9	36.9	25.7	352.7
60-64	23.7	1.3	2.7	54.1	6.5	17.1	38.7	16.8	4.5	11.8	8.9	20.3	14.5	220.2
65 & over	25.5	0.5	0.6	21.9	0.9	6.7	24.0	5.5	0.7	10.7	2.2	13.3	12.6	123.7
Sub total 25 & over	317.7	13.2	51.6	981.0	79.7	340.1	715.7	242.2	76.3	217.0	133.9	399.4	230.3	3 798.0
Total	398.7	16.4	67.3	1 302.0	103.2	435.3	1 037.7	290.1	113.2	367.6	196.0	549.3	306.2	5 183.0

## EMPLOYED PERSONS: ASIC INDUSTRY BY AGE

AUGUST 1970

('000)

## ASIC INDUSTRY

Age Group (years)	Agriculture and services to agric- ulture	Forestry logging, fishing and hunting	Mining	Manufact- uring	Electricity gas and water	Construct- ion	Wholesale and retail trade	Transport	Communic- ation	Finance, insurance, real estate and busin- ess services	Public administ- ration and defence	Commun- ity services	Entertain- ment, recreation, etc	Total
MALES														
15-19	31.8	1.8	6.1	82.1	7.9	39.3	77.2	13.5	14.1	21.9	12.4	7.2	9.1	324.3
20-24	39.6	2.7	11.9	124.2	12.4	55.2	91.5	27.5	14.0	39.3	23.5	29.5	13.9	485.3
25-34	63.9	4.4	16.4	229.2	16.2	111.3	146.6	60.6	16.2	54.1	26.7	59.9	24.4	829.8
35-44	69.5	4.5	17.9	207.3	22.4	97.9	126.4	65.0	13.5	42.4	23.9	50.8	24.4	765.9
45-54	59.0	3.7	16.0	188.7	20.8	78.0	114.9	55.0	19.5	30.1	31.4	45.9	20.4	683.3
55-59	29.1	0.8	5.6	76.6	8.9	27.9	40.4	22.3	7.8	11.8	12.3	17.8	13.2	274.4
60-64	22.8	1.2	2.9	49.2	6.9	20.1	30.4	15.0	3.2	8.3	7.5	11.6	7.6	186.6
65 & over	22.0	0.4	0.4	19.2	1.0	5.5	19.3	5.1	0.7	8.6	1.8	7.1	6.9	98.1
Sub total 25 & over	266.3	15.0	59.2	770.2	76.2	340.6	478.0	223.0	60.9	155.3	103.6	193.0	96.9	2 838.1
Total	337.7	19.5	77.2	976.5	96.5	435.2	646.7	264.0	89.0	216.5	139.4	229.7	119.8	3 647.7
FEMALES														
15-19	4.4	0.1	1.9	46.3	2.3	1.6	99.5	5.0	5.0	47.5	16.8	41.4	27.3	299.2
20-24	5.6	0.3	0.7	61.6	2.1	3.4	67.8	8.0	6.0	45.7	18.3	79.1	30.3	329.0
25-34	16.8	0.3	0.6	78.9	0.8	5.8	79.2	8.6	4.4	27.9	7.5	74.7	37.7	343.1
35-44	18.5	0.1	0.9	73.5	0.7	4.9	85.3	6.5	6.3	23.9	7.3	62.3	43.2	333.5
45-54	20.2	0.1	0.3	63.1	0.8	3.4	73.2	5.1	4.5	14.9	8.6	59.8	39.9	294.0
55-59	5.8	0.1	0.1	13.0	0.2	1.1	23.4	0.7	1.5	2.7	3.2	21.7	13.4	86.8
60-64	3.1	0.1	0	5.6	0	0.3	7.9	0.7	0.5	2.4	1.8	12.0	5.7	40.2
65 & over	1.1	0	0	1.9	0	0.8	4.4	0.5	0.2	2.0	0.2	5.9	5.0	22.0
Sub total 25 & over	65.6	0.7	1.9	236.0	2.5	16.3	273.4	22.1	17.4	73.8	28.6	236.4	144.9	1 119.6
Total	75.6	1.1	4.5	343.9	6.9	21.3	440.7	35.2	28.5	167.0	63.8	356.8	202.5	1 747.8
PERSONS														
15-19	36.2	1.9	8.0	128.4	10.2	40.9	176.7	18.5	19.1	69.4	29.2	48.6	36.4	623.5
20-24	45.3	3.0	12.6	185.8	14.5	58.6	159.3	35.5	20.0	85.0	41.8	108.6	44.2	814.3
25-34	80.7	4.7	17.0	308.1	17.0	117.1	225.8	69.2	20.6	82.0	34.2	134.5	62.1	1 172.9
35-44	88.0	4.6	18.8	280.8	23.1	102.8	211.7	71.5	19.8	66.3	31.2	113.1	67.6	1 099.4
45-54	79.2	3.8	16.3	251.8	21.6	81.4	188.1	60.1	24.0	45.0	40.0	105.7	60.3	977.3
55-59	34.9	0.9	5.7	89.6	9.1	29.0	63.8	23.0	9.3	14.5	15.5	39.4	26.6	361.2
60-64	25.9	1.3	2.9	54.8	6.9	20.4	38.3	15.7	3.7	10.7	9.3	23.6	13.3	226.9
65 & over	23.1	0.4	0.4	21.1	1.0	6.3	23.7	5.6	0.9	10.6	2.0	13.0	11.9	120.1
Sub total 25 & over	331.9	15.7	61.2	1 006.1	78.7	356.9	751.4	245.1	78.3	229.1	132.2	429.4	241.8	3 957.7
Total	413.3	20.6	81.7	1 320.4	103.4	456.5	1 087.4	299.1	117.4	383.5	203.2	586.5	322.4	5 395.6

EMPLOYED PERSONS : AGRICULTURE AND SERVICES  
TO AGRICULTURE ; MINING ; ETC.

The attached tables show estimates of persons employed in : agriculture and services to agriculture ; mining ; and forestry, fishing and hunting, for each August, 1966 to 1970, on the following bases :

1. on 1966 census benchmarks as published in annual bulletins <sup>(classified according to CLI)</sup> including estimates for each August 1968, 1969 and 1970 adjusted, at bulletin manuscript stage(?), for deficiencies in the sample.
2. on 1966 and 1971 census benchmarks, revised for new sample and ~~new~~ revised questionnaire (Feb. 1978) effect and classified according to CLI
3. as 2. above, but classified according to ASIC (i.e. the estimates we intend to publish in 6204.0 1966 to 1978).

The estimates for 2. above were produced from amended data tapes which included, for August 1969 and August 1970, adjustments for — deficiencies in the sample (see latest folios on file 71/3560). The estimates for 3. above were produced by converting the estimates in 2. to an ASIC industry classification. The following table shows males and females employed in Agriculture and services to agriculture for each August 1968 to 1971 on each of the three bases.

PERSONS EMPLOYED IN AGRICULTURE AND SERVICES TO AGRICULTURE  
(000)

	August			
	1968	1969	1970	1971
MALES				
1.	361.0	353.4	350.2	333.8
2.	358.8	307.6	343.0	n.a.
3.	352.9	302.7	337.7	319.3
FEMALES				
1.	55.7	65.2	67.1	66.3
2.	64.9	67.0	77.5	n.a.
3.	63.6	65.4	75.6	70.9

It can be seen that the decrease in males between 1968 and 1969 of 7,600 on the old basis (1.) becomes 50,200 on the new (ASLC) basis (3.) (51,200 on new (CLI) basis (2.)).

This difference cannot be accounted for by the adjustments made to the August 1969 and August 1970 tapes, as shown on 71/3560. The August 1969 tape was amended by transferring 129 <sup>NSW + W.A.</sup> records (12,900 <sup>approx.</sup> persons) from CLI Farming (code 020) to various other industries (including <sup>iron</sup>mining (084)), and by transferring 16 <sup>N.T.</sup> records (1,600 <sup>approx.</sup> persons) from iron mining to various other industries. Occupation groups corresponding to the industry divisions were similarly affected (e.g. 129 records were transferred from farmers and farmworkers to other occupations), and estimates

of persons employed as farmers, fishermen, timbergetters, etc on the three bases described above are shown in the attached tables.

In view of the differences in trend in the revised estimates compared with the unrevised, it would be advisable to check that the amendments to the August 1969 (and August 1970) tape were made as intended. (See also 77/1385).

Alan Sharp  
9/11/79



PERSONS EMPLOYED IN AGRICULTURE  
AND SERVICES TO AGRICULTURE  
'000

		August							
		1964	1965	1966	1967	1968	1969	1970	1971
MALES									
1966 census b/m, CLI (1)		388.3	378.8	361.5	369.3	(363.4) 361.0 #	(367.9) 353.4 #	(368.9) 350.2 #	333.8
Movement (2)			-9.5	-17.3	+7.8	-8.3	-7.6	-3.2	-16.4
1966-1971 census b/m, revised estimates, ASIC conversion (3)	> CLI			358.3 348.1	361.3 349.9	358.8 352.9	307.6 302.7	343.0 337.7	319.3
Movement (4)				+3.0	+1.8	-2.5 +3.0	-51.2 -50.2	+35.4 +35.0	-18.4
Difference (3)-(1) (5)				-13.4	-19.4	-8.1	-50.7	-12.5	-14.5

FEMALES									
1966 census b/m, CLI (1)		46.3	55.1	59.5	53.2	(55.7) 55.7 #	(66.9) 65.2 #	(67.3) 67.1 #	66.3
Movement (2)			+8.8	+4.4	-6.3	+2.5	+9.5	+1.9	-0.8
1966-1971 census b/m, revised estimates, ASIC conversion (3)	> CLI			68.9 63.9	63.3 59.2	64.9 63.6	67.0 65.4	77.5 75.6	70.9
Movement (4)				-5.6	-4.7	+1.6 +4.4	+2.1 +1.8	+10.5 +10.2	-4.7
Difference (3)-(1) (5)				+4.4	+6.0	+7.9	+0.2	+8.5	+4.6

1966 census b/m, CLI (1)									
Movement (2)									
1966-1971 census b/m, revised estimates, ASIC conversion (3)									
Movement (4)									
Difference (3)-(1) (5)									

1966 census b/m, CLI (1)									
Movements (2)									
1966-1971 census b/m, revised estimates, ASIC conversion (3)									
Movement (4)									
Difference (3)-(1) (5)									

# "Adjusted" estimates published in 6204.0 1971



PERSONS EMPLOYED IN AGRICULTURE  
AND SERVICES TO AGRICULTURE  
(000)

		August -							
		1964	1965	1966	1967	1968	1969	1970	1971
MALES - FULL-TIME EMPLOYED									
1966 Census b/m, CLI	(1)	378.4 <sup>†</sup>	367.6 <sup>†</sup>	348.2 <sup>†</sup>	358.4 <sup>†</sup>	(350.9) <sup>†</sup> 348.6 <sup>‡</sup>	(355.6) <sup>†</sup> 341.6 <sup>‡</sup>	(357.9) <sup>†</sup> 339.8 <sup>‡</sup>	321.4 <sup>†</sup>
Movement	(2)		-10.8	-19.4	+10.2	-9.8	-7.0	-1.8	-18.4
1966-1971 census b/m, revised estimates, ASIC conversion	(3)			334.9	339.1	340.1	290.7	326.6	306.6
Movement	(4)				+4.2	+1.0	-49.4	+35.9	-20.0
Difference, (3)-(1)	(5)			-13.3	-19.3	-8.5	-50.9	-13.2	-14.8
FEMALES - FULL-TIME EMPLOYED									
1966 Census b/m, CLI	(1)	26.0 <sup>†</sup>	30.7 <sup>†</sup>	35.0 <sup>†</sup>	28.3 <sup>†</sup>	(30.8) <sup>†</sup> 30.8 <sup>‡</sup>	(34.1) <sup>†</sup> 33.7 <sup>‡</sup>	(35.4) <sup>†</sup> 36.9 <sup>‡</sup>	37.5 <sup>†</sup>
Movement	(2)		+4.7	+4.3	-6.7	+2.5	+2.9	+3.2	+0.6
1966-1971 census b/m, revised estimates, ASIC conversion	(3)			36.6	30.2	34.7	33.9	41.4	39.8
Movement	(4)				-6.4	+4.5	-0.6	+7.3	-1.6
Difference, (3)-(1)	(5)			+1.6	+1.9	+3.9	+0.2	+4.3	+2.3
MALES - PART-TIME EMPLOYED									
1966 Census b/m, CLI	(1)	9.9	11.2	13.3	10.9	(12.5) <sup>†</sup> 12.4 <sup>‡</sup>	(12.3) <sup>†</sup> 11.8 <sup>‡</sup>	(11.0) <sup>†</sup> 10.4 <sup>‡</sup>	12.4
Movement	(2)		+1.3	+2.1	-2.4	+1.5	-0.6	-1.4	+2.0
1966-1971 census b/m, revised estimates, ASIC conversion	(3)			13.2	10.8	12.8	12.0	11.1	12.7
Movement	(4)				-2.4	+2.0	-0.8	-0.9	+1.6
Difference, (3)-(1)	(5)			-0.1	-0.1	+0.4	+0.2	+0.7	+0.3
FEMALES - PART-TIME EMPLOYED									
1966 census b/m, CLI	(1)	20.3	24.4	24.5	24.9	(24.9) <sup>†</sup> 24.9 <sup>‡</sup>	(32.8) <sup>†</sup> 31.5 <sup>‡</sup>	(31.9) <sup>†</sup> 30.2 <sup>‡</sup>	28.8
Movement	(2)		+4.1	+0.1	+0.4	-	+6.6	-1.3	-1.4
1966-1971 census b/m, revised estimates, ASIC conversion	(3)			27.3	29.0	28.9	31.5	34.2	31.1
Movement	(4)				+1.7	-0.1	+2.6	+3.7	-3.1
Difference, (3)-(1)	(5)			+2.8	+4.1	+4.0	-	+4.0	+2.3

<sup>†</sup> From annual bulletin for year shown. <sup>‡</sup> "Revised" estimates from 1971 annual bulletin.



## PERSONS EMPLOYED IN MINING

'000

August

1964

1965

1966

1967

1968

1969

1970

1971

## MALES

1966 census b/m, CLI (1)								
Movement (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)	CLI		53.8	57.0	66.9	61.5	75.6	
			55.8	59.6	69.4	64.2	77.2	
				+3.2	+9.9	-5.4	+14.1	
Movement (4)				+0.8	+9.8	-5.2	+13.0	
Difference (3)-(1) (5)								

## FEMALES

1966 census b/m, CLI (1)								
Movement (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)			*	*	*	*	*	
			2.2	3.0	3.4	3.4	4.5	
Movement (4)				+0.8	+0.4	-	+1.1	
Difference (3)-(1) (5)								

1966 census b/m, CLI (1)								
Movement (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)								
Movement (4)								
Difference (3)-(1) (5)								

1966 census b/m, CLI (1)								
Movements (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)								
Movement (4)								
Difference (3)-(1) (5)								



## PERSONS EMPLOYED IN MINING

'000

August

1964

1965

1966

1967

1968

1969

1970

1971

## MALES - FULL-TIME EMPLOYED

1966 census b/m, CLI (1)

Movement (2)

1966-1971 census b/m, revised  
estimates, ASIC conversion (3) → CLI

54.3

58.5

67.7

62.9

76.0

Movement (4)

+4.2

+9.2

-4.8

+13.1

Difference (3)-(1) (5)

## FEMALES - FULL-TIME EMPLOYED

1966 census b/m, CLI (1)

Movement (2)

1966-1971 census b/m, revised  
estimates, ASIC conversion (3)

2.2

2.8

3.3

3.3

4.2

Movement (4)

+0.6

+0.5

-

+0.9

Difference (3)-(1) (5)

## MALES - PART-TIME EMPLOYED

1966 census b/m, CLI (1)

Movement (2)

1966-1971 census b/m, revised  
estimates, ASIC conversion (3)

1.5

1.1

1.7

1.3

1.2

Movement (4)

-0.4

+0.6

+0.4

-0.1

Difference (3)-(1) (5)

## FEMALES - PART-TIME EMPLOYED

1966 census b/m, CLI (1)

Movements (2)

1966-1971 census b/m, revised  
estimates, ASIC conversion (3)

-

0.2

0.1

0.1

0.3

Movement (4)

-

-0.1

-

+0.2

Difference (3)-(1) (5)



PERSONS EMPLOYED IN FORESTRY, LOGGING,  
FISHING AND HUNTING  
'000

	August							
	<div style="display: flex; justify-content: space-around; font-size: small;"> <span>5.28</span> <span>5.32</span> <span>5.36</span> <span>5.40</span> </div>							
	1964	1965	1966	1967	1968	1969	1970	1971

MALES - FULL-TIME EMPLOYED

1966 census b/m, CLI (1)								
Movement (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)			16.5	18.1	22.4	15.4	18.8	
Movement (4)				+1.6	+4.3	-7.0	+3.4	
Difference (3)-(1) (5)								

FEMALES - FULL-TIME EMPLOYED

1966 census b/m, CLI (1)								
Movement (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)			-	-	0.1	0.3	0.5	
Movement (4)				-	-	+0.2	+0.2	
Difference (3)-(1) (5)								

MALES - PART-TIME EMPLOYED

1966 census b/m, CLI (1)								
Movement (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)			1.0	1.4	0.4	0.7	0.7	
Movement (4)				+0.4	-1.0	+0.3	-	
Difference (3)-(1) (5)								

FEMALES - PART-TIME EMPLOYED

1966 census b/m, CLI (1)								
Movements (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)			-	0.1	0.6	0.3	0.6	
Movement (4)				-	+0.5	-0.3	+0.3	
Difference (3)-(1) (5)								



PERSONS EMPLOYED AS FARMERS,  
FISHERMEN, TIMBERGETTERS, ETC  
'000

		August							
		1964	1965	1966	1967	1968	1969	1970	1971
MALES - EMPLOYED FULL-TIME									
1966 census b/m	(1)			387.1	397.7	386.4	373.7	372.2	366.4
Movement	(2)				+10.6	-11.3	-12.7	-1.5	-5.8
1966-1971 census b/m, revised estimates	(3)			384.2	389.7	384.1	326.7	364.2	358.3
Movement	(4)				+5.5	-5.6	-57.4	+37.5	-5.9
Difference (3)-(1)	(5)				-8.0	-2.3	-47.0	-8.0	-8.1
FEMALES - EMPLOYED FULL-TIME									
1966 census b/m	(1)			31.8	24.7	28.4	30.3	32.4	35.5
Movement	(2)				-7.1	+3.7	+1.9	+2.1	+3.1
1966-1971 census b/m, revised estimates	(3)			37.3	29.2	33.3	31.9	38.6	39.9
Movement	(4)				-8.1	+4.1	-1.4	+6.7	+1.3
Difference (3)-(1)	(5)				+5.8	+4.9	+1.6	+6.2	+4.4
MALES - EMPLOYED PART-TIME									
1966 census b/m	(1)			16.7	16.4	17.6	17.2	15.2	16.9
Movement	(2)				-0.3	+1.2	-0.4	-2.0	+1.7
1966-1971 census b/m, revised estimates	(3)			16.8	16.6	18.3	17.8	16.2	17.6
Movement	(4)				-0.2	+1.7	-0.5	-1.6	+1.4
Difference (3)-(1)	(5)				+0.2	+0.7	+0.6	+1.0	+0.7
FEMALES - EMPLOYED PART-TIME									
1966 census b/m	(1)			22.1	22.9	23.8	28.4	26.7	25.9
Movements	(2)				+0.8	+0.9	+4.6	-1.7	-0.8
1966-1971 census b/m, revised estimates	(3)			26.5	28.3	28.1	29.0	30.8	29.0
Movement	(4)				+1.8	-0.2	+0.9	+1.8	-1.8
Difference (3)-(1)	(5)				+5.4	+4.3	+0.6	+4.1	+3.1



PERSONS EMPLOYED AS FARMERS,  
FISHERMEN, TIMBERGETTERS, ETC

'000

	August							
	1964	1965	1966	1967	1968	1969	1970	1971

MALES

1966 census b/m.	(1)			403.8	414.1	404.0	390.9	387.4	383.3
Movement	(2)				+ 10.3	+ 10.1	- 13.1	- 3.5	- 4.1
1966-1971 census b/m, revised estimates,	(3)			401.0	406.3	402.4	344.5	380.4	375.9
Movement	(4)				+ 5.3	- 3.9	- 57.9	+ 35.9	- 4.5
Difference (3)-(1)	(5)				- 7.8	- 1.6	- 46.4	- 7.0	- 7.4

FEMALES

1966 census b/m,	(1)			53.9	47.6	52.2	58.7	59.1	61.4
Movement	(2)				- 6.3	+ 4.6	+ 6.5	+ 0.4	+ 2.3
1966-1971 census b/m, revised estimates	(3)			63.8	57.6	61.3	60.9	69.4	68.9
Movement	(4)				- 6.2 <sup>x</sup>	+ 3.7 <sup>9x</sup>	- 0.4 <sup>5</sup>	+ 8.5	- 0.5
Difference (3)-(1)	(5)				+ 10.0	+ 9.1	+ 2.2	+ 10.3	+ 7.5

1966 census b/m,	(1)								
Movement	(2)								
1966-1971 census b/m, revised estimates,	(3)								
Movement	(4)								
Difference (3)-(1)	(5)								

1966 census b/m.	(1)								
Movements	(2)								
1966-1971 census b/m, revised estimates,	(3)								
Movement	(4)								
Difference (3)-(1)	(5)								

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	August							
	1964	1965	1966	1967	1968	1969	1970	1971
1966 census b/m, CLI (1)								
Movement (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)								
Movement (4)								
Difference (3)-(1) (5)								
1966 census b/m, CLI (1)								
Movement (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)								
Movement (4)								
Difference (3)-(1) (5)								
1966 census b/m, CLI (1)								
Movement (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)								
Movement (4)								
Difference (3)-(1) (5)								
1966 census b/m, CLI (1)								
Movements (2)								
1966-1971 census b/m, revised estimates, ASIC conversion (3)								
Movement (4)								
Difference (3)-(1) (5)								



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August

1964

1965

1966

1967

1968

1969

1970

1971

1966 census b/m, CLI (1)

Movement (2)

1966-1971 census b/m, revised estimates, ASIC conversion (3)

Movement (4)

Difference (3)-(1) (5)

1966 census b/m, CLI (1)

Movement (2)

1966-1971 census b/m, revised estimates, ASIC conversion (3)

Movement (4)

Difference (3)-(1) (5)

1966 census b/m, CLI (1)

Movement (2)

1966-1971 census b/m, revised estimates, ASIC conversion (3)

Movement (4)

Difference (3)-(1) (5)

1966 census b/m, CLI (1)

Movements (2)

1966-1971 census b/m, revised estimates, ASIC conversion (3)

Movement (4)

Difference (3)-(1) (5)



LABOUR FORCE SURVEY ESTIMATES  
UNEMPLOYED BY INDUSTRY - MALES

('000)

ASIC Industry division or  
sub-division

AUGUST

	1966	1967	1968	1969	1970	
Agriculture and services to agriculture	3.1 *	4.2 *	2.5 *	3.5 *	3.1 *	*
Forestry, logging, fishing and hunting	0.6	0.4	0.2	0.4	0.3	*
Mining	0.8	0.4	0.7	1.0	0.7	*
Manufacturing	12.3 11.5	13.6 12.5	10.7 9.4	9.8 9.3	9.7 9.1	11.8
Construction	7.1 6.6	7.5 6.9	4.6 *	5.7 5.3	7.6 7.0	9.8
Wholesale and retail trade	6.0 5.6	6.5 6.0	6.2 5.5	4.6 *	6.3 5.9	5.5
Transport and storage	3.1 *	3.2 *	3.6 *	2.3 *	2.2 *	*
Finance, insurance, real estate and business services	1.0 *	1.6 *	2.0 *	1.5 *	2.1 *	*
Community services	1.4 *	1.0 *	0.7 *	1.0 *	1.3 *	
Entertainment, recreation, restaurants, hotels and personal services	1.4 *	1.9 *	2.5 *	2.6 *	2.1 *	5.5
All industries	36.5	39.1	31.5	32.2	34.3	
Other industries	2.1	2.2	2.0	1.6	1.4	
Other (b)	38.9 *	42.4 *	35.8 *	34.1 *	36.7 *	
TOTAL	89 ↓ 39.0	42.5	7 ↓ 35.8	0 ↓ 34.1	8 ↓ 36.7	43.8

a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force (6203.0).

*Estimates shown in purple are those published in 6204.0, 1978 issue*

*(b) Persons who had not had a FT or PT job.*



LABOUR FORCE SURVEY ESTIMATES  
UNEMPLOYED BY INDUSTRY - FEMALES

('000)

ASIC Industry division or  
sub-division

AUGUST

	1966	1967	1968	1969	1970	
Agriculture and services to agriculture	0.4 *	1.4 *	0.6 *	0.7 *	2.0	*
Forestry, logging, fishing and hunting	* -	* -	* -	* .2	* .2	*
Mining	* -	* .4	* .1	* .3	* -	* ..
Manufacturing	9.6 8.1	10.1 9.3	11.4 9.7	10.3 9.2	8.9 7.7	10.0
Construction	0.1 *	0.1 *	0.4 *	0.1 *	0.1 *	*
Wholesale and retail trade	11.7 9.9	11.2 10.3	11.3 9.6	13.1 11.8	11.3 9.8	11.4
Transport and storage	0.4 *	1.1 *	0.9 *	0.7 *	0.7 *	*
Finance, insurance, real estate and business services	2.5 *	3.3 *	3.4 *	3.2 *	2.5 *	*
Community services	6.3 5.3	7.1 6.5	7.2 6.1	6.1 5.5	6.4 5.7	7.2
Entertainment, recreation, restaurants, hotels and personal services	6.1 5.2	8.3 7.6	8.0 6.8	8.4 7.4	7.1 6.2	12.5
All industries	33.6	40.8	38.6	40.2	36.1	
Other industries	2.7	1.1	1.7	2.0	1.3	
Other (b)	6.1	*	6.7	4.6	5.4	
TOTAL	8↓ 39.7 ✓	8.1↓ 44.4 ✓	10↓ 45.3 ✓	5.1↓ 44.8 ✓	0.5↓ 41.5 ✓	✓ 48.9

a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force (6203.0).

*Estimates shown in purple are those published in 6204.0, 1978 issue.*

*(b) Persons who had not had a FT or PT job.*



LABOUR FORCE SURVEY ESTIMATES  
UNEMPLOYED BY INDUSTRY - PERSONS

('000)

ASIC Industry division or  
sub-division

AUGUST

	1966	1967	1968	1969	1970	
Agriculture and services to agriculture	3.5	5.6	3.1	4.2	5.1	✓
Forestry, logging, fishing and hunting	0.5	0.4	0.2	0.5	0.5	
Mining	0.8	0.8	0.9	1.3	0.7	
Manufacturing	21.9	23.7	22.0	20.1	18.6	21.8
Construction	7.2	7.6	5.1	5.8	7.7	10.0
Wholesale and retail trade	17.7	17.6	17.5	17.9	17.6	16.9
Transport and storage	3.5	4.3	4.5	2.9	2.9	✗
Finance, insurance, real estate and business services	3.5	4.9	5.5	4.7	5.6	5.0
Community services	7.6	8.1	7.8	7.1	7.8	8.2
Entertainment recreation, restaurants, hotels and personal services	7.5	10.2	10.4	10.8	9.2	18.0
Other industries	4.9	3.3	3.9	3.5	2.7	
TOTAL	78.6 ✓	<sup>5↓</sup> 86.9	<sup>0.9↓</sup> 81.1	78.8 ✓	<sup>4↓</sup> 78.2	92.7 ✓

a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force (6703.0).

# LABOUR FORCE SURVEY

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ASIC 1969 industry division or Sub-division	AUGUST				
	1966	1967	1968	1969	1970
01,02 Agriculture and services to agriculture					
03,04 Forestry, logging, fishing and hunting					
11-16 Mining					
21-34 Manufacturing					
36,37 Electricity, gas and water					
41,42 Construction					
47,48 Wholesale and retail trade					
51-55 Transport and storage					
56 Communication					
61-63 Finance, insurance, real estate and business services					
71,72 Public administration and defence					
81-84 Community services					
91-94 Entertainment, recreation, restaurants, hotels and personal services					
94 Private households employing staff					
TOTAL					

(a) For scope of estimates and definitions see explanatory notes in the latest issue of the monthly bulletin, The Labour Force, Australia (6203.0).